

## Patent Abstracts of Japan

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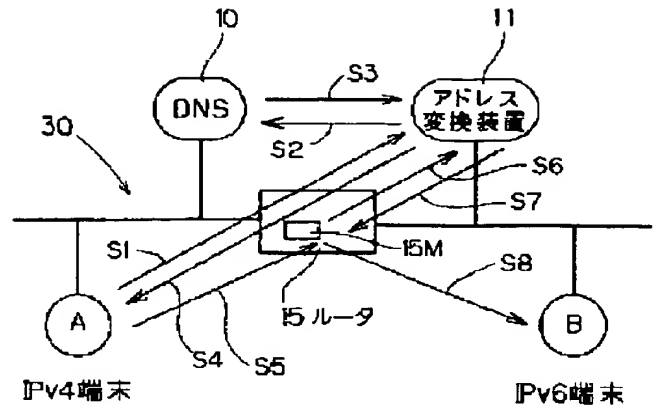
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TITLE : ADDRESS CONVERSION SYSTEM



**ABSTRACT :** PROBLEM TO BE SOLVED: To provide the address conversion system in which communication between terminal equipments to which addresses in accordance with different protocols are provided without imposing a high restriction.

**SOLUTION:** In the case of communication from a terminal equipment A in compliance with the IPv4 protocol to a terminal equipment B in compliance with the IPv6 protocol, the terminal equipment A inquires about an address of the terminal equipment B of an address converter 11. The address converter 11 acquires a network address (IPv6 address) of the terminal equipment B from a name server 10 and returns a tentative IPv4 address corresponding thereto to the terminal equipment A. The terminal equipment A makes communication with the terminal equipment B by using the tentative IPv4 address. In this case a router 15 acquires a cross reference table between an IPv6 address and the tentative IPv4 address from the address converter and converts the tentative IPv4 address into the IPv6 address according to the cross reference table and makes communication with the terminal equipment B.

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